

Converting Colors

$Y_{xy}(14.5670, 0.2280, 0.3330)$

Have a look what the booklet for
Yxy(14.5670, 0.2280, 0.3330)
contains.

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Color

$Y_{xy}(14.5562, 0.2283, 0.3336)$

Conversions

Conversions Part 1

Format	Color
Hex	0C7775
RGB	12, 119, 117
RGB Percent	5%, 47%, 46%
CMY	0.9522, 0.5334, 0.5412
CMYK	0.90, 0.00, 0.02, 0.53
HSL	179°, 81%, 26%
HSV	179°, 90%, 47%
XYZ	9.9616, 14.5562, 19.1159
YIQ	86.7790, -63.1300, -23.3060

Conversions

Conversions Part 2

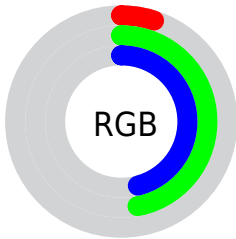
Format	Color
R_{YB}	12, 66, 119
Decimal	817013
CIE _{Lab}	45.02, -27.28, -6.78
CIE _{LCh}	45, 28.109, 193.961
Yxy	14.5562, 0.2283, 0.3336
Android (android.graphics.Color)	4279007093 (0xFF0C7775)
YUV	86.7790, 14.8990, -65.5812
Hunter-Lab	38.1526, -20.1610, -2.9998

Details

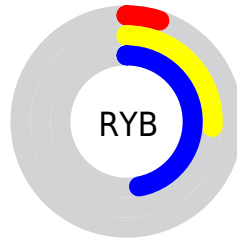
The Yxy color **14.5562, 0.2283, 0.3336** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.2217, 0.6078, 0.3281**, and the grayscale version is **9.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1635, 0.2481, 0.3338**, and **4.8100, 0.2257, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **14.4739, 0.2262, 0.3342**, and if you desaturate by 10%, it is **14.6778, 0.2314, 0.3330**.

Distribution



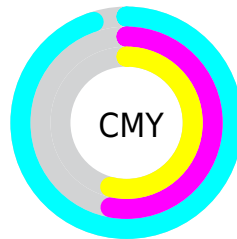
- Red (5%)
- Green (47%)
- Blue (46%)



- Red (5%)
- Yellow (26%)
- Blue (47%)



- Cyan (90%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)




- Cyan (95%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5562, 0.2283, 0.3336 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 14.5562, 0.2283, 0.3336 by changing the saturation by 10% instead.


 14.5562, 0.2283,
0.3336


 14.5562, 0.2283,
0.3336


 220.6641, 0.2775,
0.3320


 8.5085, 0.2130,
0.3334


 34.0727, 0.2482,
0.3333

 4.4220, 0.1911,
0.3324

 48.3103, 0.2551,
0.3331

 1.9123, 0.1578,
0.3293

 66.0467, 0.2606,
0.3329

 0.5558, 0.0000,
0.3390

 87.6663, 0.2652,
0.3327

 0.0000, 0.0000,
0.0000

 113.5534, 0.2690,
0.3325

 144.0925, 0.2723,

0.3323

179.6679, 0.2751,
0.3322

■ 14.5562, 0.2283,
0.3336

■ 14.5562, 0.2283,
0.3336

■ 14.4739, 0.2262,
0.3342

■ 14.6778, 0.2314,
0.3330

■ 14.4718, 0.2262,
0.3342

■ 14.8626, 0.2362,
0.3325

■ 15.1188, 0.2428,
0.3319

■ 15.4525, 0.2511,
0.3313

■ 15.8695, 0.2611,
0.3308

■ 16.3750, 0.2724,
0.3303

■ 16.9736, 0.2851,
0.3298

■ 17.6697, 0.2987,
0.3294

■ 18.4675, 0.3131,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.5562, 0.2691, 0.3919



14.5562, 0.2283, 0.3336



14.5562, 0.2099, 0.2808

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.5562, 0.2283, 0.3336



14.5562, 0.2928, 0.2485



14.5562, 0.4175, 0.4025

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



14.5562, 0.2283, 0.3336



4.2217, 0.6078, 0.3281

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.5562, 0.4277, 0.3603



14.5562, 0.2283, 0.3336



14.5562, 0.3518, 0.2760

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.5562, 0.2283, 0.3336



14.5562, 0.2442, 0.2381



14.5562, 0.4032, 0.3155



14.5562, 0.3786, 0.4308

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



14.5562, 0.2283, 0.3336



14.5562, 0.2110, 0.2565



14.5562, 0.4032, 0.3155



14.5562, 0.4246, 0.3893

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



14.5567, 0.2283, 0.3336



29.5323, 0.2750, 0.3302



13.3277, 0.3019, 0.5854



6.9351, 0.2717, 0.3303



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.5567, 0.2283, 0.3336



25.9146, 0.2262, 0.3343



5.6871, 0.1902, 0.1924



4.1542, 0.2997, 0.3294



15.3765, 0.2262, 0.3342



74.9166, 0.2263, 0.3345

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.2217, 0.6078, 0.3281



7.0295, 0.6377, 0.3286



7.3981, 0.5198, 0.4091



3.7019, 0.3273, 0.3286



4.1718, 0.6369, 0.3282



20.3157, 0.6387, 0.3292

Previews

White Background



This preview shows how the Yxy color 14.5562, 0.2283, 0.3336 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 14.5562, 0.2283, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

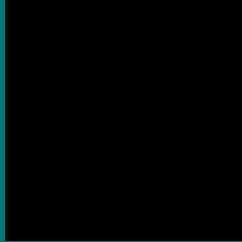
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.5562, 0.2283, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 14.5562, 0.2283, 0.3336.

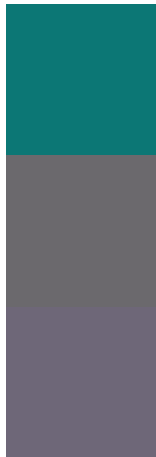


This preview shows how white text looks on a background with the Yxy color 14.5562, 0.2283, 0.3336.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

14.5562, 0.2283, 0.3336

Protanopia

14.3331, 0.3103, 0.3206

Deuteranopia

14.3716, 0.3006, 0.2944



Tritanopia

14.4745, 0.2240, 0.3053

Trichromacy



Original Color

14.5562, 0.2283, 0.3336

Protanomaly

13.7382, 0.2654, 0.3242

Deuteranomaly

13.7250, 0.2592, 0.3061

Tritanomaly

14.5464, 0.2257, 0.3168

Monochromacy



Original Color

14.5562, 0.2283, 0.3336

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.7662, 0.2626, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5562, 0.2283, 0.3336 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(12, 119, 117)` looks like.

```
.text, #text, p{  
    color:rgb(12, 119, 117)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(12, 119, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 119, 117) }
```

Border

The CSS property to change the border of an element to Yxy 14.5562, 0.2283, 0.3336 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(12, 119, 117) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(12, 119, 117) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(12, 119, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 119, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 119, 117);  
box-shadow:4px 4px 4px 4px rgb(12, 119,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5562, 0.2283, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 119, 117) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(12, 119,  
117) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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